



# NutriFREEZE

*"Enhancing Product Quality & Profits"*

*"Stainless Programmable Short Cycle"*

**FREEZE DRYER**

**2026  
STANDARD**

**MODEL  
FC-R 100 +  
30 KW CHILLER**

**PRICED AT \$279,700**  
(220 POUNDS/16-24 HOURS)



The FC-R Range of short cycle freeze dryers use radiant heat energy, and a rapid load/unload trolley and cassette system.

Simply pre-freeze your product in a walk-in freezer, roll the trolley to the freeze dryer, and slide the cassette into the product chamber. Loading and unloading takes just minutes.

### Some of the key features of this unit are:

- Fast drying of 220 pounds of product in 16-24 hours
- Fully programmable cycle with a 19 inch touch screen HMI
- Tray area of 108 square feet
- Shelf spacing of 3.15 inches
- Supplied with 1 trolley, 1 cassette, and 1 set of trays (27)
- This freeze dryer is supplied with a 30 KW Chiller

**Built to exacting specifications at our ISO:9001 Factory.**

**CE Certified**

**Onsite commissioning will be completed by a NutriFREEZE team member.**

### TECHNICAL DATA

### FC-R 100

<b>CONTROL SYSTEM:</b>	Fully Programmable
<b>ICE CONDENSER CAPACITY:</b>	330 Pounds
<b>ICE CONDENSER PERFORMANCE:</b>	286 Lbs/24 Hrs
<b>ICE CONDENSER TEMPERATURE:</b>	-67°F/-55°C
<b>DEFROSTING-END OF LOAD:</b>	Hot Gas
<b>NUMBER OF SHELVES:</b>	9 Shelves (27 Trays)
<b>LOADING SYSTEM:</b>	Cassette/Trolley
<b>TOTAL SHELF AREA:</b>	108 Square Feet
<b>SHELF TEMPERATURE:</b>	Up to +266°F/+130°C
<b>REFRIGERATION:</b>	Two Stage Compressor
<b>REFRIGERANT:</b>	R-404A (NON-CFC)
<b>COOLING SYSTEMS:</b>	30 KW Chiller-Water/Glycol
<b>VACUUM SYSTEM:</b>	Pfeiffer Duo 65
<b>ELECTRICAL SPECIFICATIONS:</b>	460/480 Volt, 60 Cycle, 3 Phase + Neutral
<b>AMPERAGE:</b>	75 Amp Dedicated Line
<b>UNIT DIMENSIONS:</b>	126 x 71 x 79 Inches L x W x H
<b>WEIGHT:</b>	5512 Lbs



BOTANIQUE PRESERVATION EQUIPMENT, INC.  
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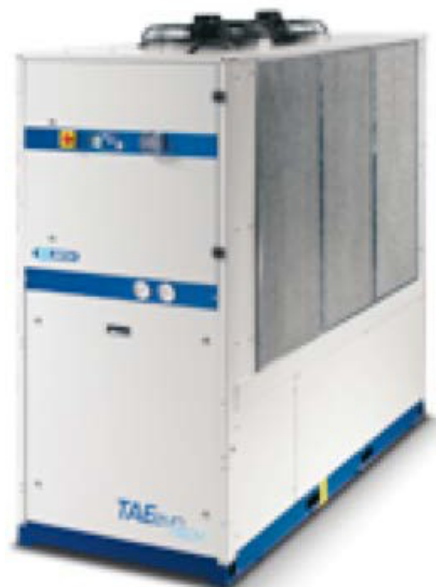
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## MODEL FC-R 100 - 30 KW CHILLER



### GENERAL DATA

30 KW CHILLER	
COOLING CIRCUITS	1
COMPRESSORS	1 – Scroll
CAPACITY CONTROL	0-100%
POWER	460/3/60
FANS	2 – Axial
CONDENSER AIR FLOW	3,590 cfm
POWER (EACH)	1.03 kW
AVAILABLE STATIC PRESSURE	0 "wc
TANK VOLUME	67 gal
LENGTH	73 in
WIDTH	30 in
HEIGHT	57 in
WEIGHT	1312 lbs
AMPERAGE	26 A

### PERFORMANCE

30 KW CHILLER	
REFRIGERANT	R410A
HYDRAULIC KIT	P3
INLET WATER TEMPERATURE	90°F
OUTLET WATER TEMPERATURE	59°F
GLYCOL TYPE	25% Propylene Glycol
AMBIENT TEMPERATURE	95°F
COOLING CAPACITY	9.93 Tons 119,160 Btu/Hr
TOTAL ABSORBED POWER	12.2 kW
EVAPORATOR WATER FLOW RATE	24.7 gpm
AVAILABLE HEAD PRESSURE	37 psi
MAX AMBIENT TEMPERATURE	110°F



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